


Name of Testing Laboratory : SGS Tecnos, S.A.
Address : C/ Trespaderne, 29 - Edificio Barajas 1
 28042 Madrid (Spain)
Hired by : **NingBo Deye Inverter Technology Co., Ltd.**
Address : No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China.
Date (s) of performance of tests : **31/08/2019 till 05/09/2019**

Test item description..... : Solar Grid-tied Inverter (Three Phase Inverter)
Status and date of receipt : N/A
Manufacturer : **NingBo Deye Inverter Technology Co., Ltd.**

Trade Mark : 

Model / Type Reference..... : **SUN-5K-G03, SUN-6K-G03, SUN-7K-G03, SUN-8K-G03,**
SUN-10K-G03, SUN-12K-G03, SUN-15K-G03, SUN-18K-G03

Serial Number.....: 1904274172

Firmware Version... : Display software version: Ver 0208
 Control software version: Ver 1813

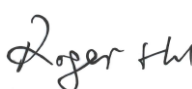
Ratings..... : (*) See page 2 of this Report

Applied Specifications : Standard:
 IEC 61683: 1999

Test Results : The test results obtained refer only to the samples tested, which are the object of this report, considering the most unfavorable values of the test and verifications carried out. The uncertainties of measurement associated to the quantities determined during the tests are in the laboratory available to the applicant.

Conclusion..... : According to the test results, the sample tested is found in **CONFORMANCE** with the requirements stated in the specifications applied.
 Note: The declaration of conformity has been evaluated taking account the IEC Guide 115.

Madrid, 23th October 2019

Tested by:	Reviewed by:
Project Engineer	Technical Reviewer
 ROGER HU	 JACOBO TÉVAR

The present Test Report, consisting of 2 pages and the TRF 2219 / 0335-D including 46 pages report and 21 pages attachments, shall not be reproduced partially without the approval of SGS.

General Product Information:

Model Number	SUN-5K-G03	SUN-6K-G03	SUN-7K-G03	SUN-8K-G03
Max. input power	6.5kW	7.8kW	9.1kW	10.4kW
Max. input voltage	1000Vd.c.			
Max. input current	10Ad.c.x2	10Ad.c.x2	10Ad.c.x2	10Ad.c.x2
Operating MPPT voltage range	200V-850 Vd.c.			
Full load DC Voltage Range	460-850 Vd.c.			
Rated grid voltage	3W/PE 400 Va.c.			
Rated grid frequency	50/60Hz			
Rated output power	5kw	6kw	7kw	8kw
Rated output current	7.2Aa.c.x3	8.7Aa.c.x3	10.1Aa.c.x3	11.6Aa.c.x3
Power factor	0.9 leading to 0.9 lagging			
Ambient temperature	-25°C~60°C			
Ingress protection	IP65			
Protective class	Class I			

Model Number	SUN-10K-G03	SUN-12K-G03	SUN-15K-G03	SUN-18K-G03
Max. input power	12kW	15.6kW	18kW	21.6kW
Max. input voltage	1000Vd.c.			
Max. input current	10Ad.c.x2	10Ad.c.+ 20Ad.c.	10Ad.c.+ 20Ad.c.	20Ad.c.+ 20Ad.c.
Operating MPPT voltage range	200V-850 Vd.c.			
Full load DC Voltage Range	460V-850 Vd.c.			
Rated grid voltage	3W/PE 400 Va.c.			
Rated grid frequency	50/60Hz			
Rated output power	10kw	12kw	15kw	18kw
Rated output current	14.5Aa.c.x3	17.4Aa.c.x3	21.8Aa.c.x3	26.1Aa.c.x3
Power factor	0.9 leading to 0.9 lagging			
Ambient temperature	-25°C~60°C			
Ingress protection	IP65			
Protective class	Class I			

Serial Number: 1904274172 (The Equipment parameters are changed by software)